

CHAPTER 1

INTRODUCTION

1-1. Purpose

This document provides guidance to facilities engineers responsible for site utility systems at command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR) facilities. This manual describes a level of data collection activities which should be performed on control, power generation and distribution, and heating, ventilating and air conditioning (HVAC) equipment for the preparation of reliability studies for operational readiness.

1-2. Scope

The information in this document will describe the required information necessary to determine the reliability and availability of a component. Explanations and descriptions of the different metrics are also covered as well as the preferred methods. Data collection listings are also provided for various pieces of equipment to aid the data collection process. Gathering the correct information is the most vital aspect of determining accurate availability and reliability values of components.

1-3. References

Appendix A contains a complete list of references used in this manual.